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DATE MAILED: 06/23/2004

APPLICATION NO.	FIL	NG DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/007,127	12/03/2001		Naoko Yamamoto	70551/56755	5908	
21874	7590	06/23/2004		EXAM	EXAMINER	
EDWARDS & ANGELL, LLP P.O. BOX 55874			HASSANZAD	HASSANZADEH, PARVIZ		
BOSTON, MA 02205			ART UNIT	PAPER NUMBER		
				1763		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Supple Notice of A	emental Allowabilit	> ty
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Application No.	Applicant(s)	- 3
10/007,127	YAMAMOTO ET AL.	·
Examiner	Art Unit	
Parviz Hassanzadeh	1763	

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	Parviz Hassanzadeh	1763		
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communicatior GHTS. This application is subject to	plication. If not include will be mailed in due	ed course. <b>THIS</b>	
1. X This communication is responsive to 4/7/04.				
2. 🛮 The allowed claim(s) is/are <u>1-5</u> .				
3. 🛮 The drawings filed on <u>03 December 2001</u> are accepted by	the Examiner.			
<ul> <li>4.  Acknowledgment is made of a claim for foreign priority unanaly All b)  Some* c)  None of the: <ol> <li>Certified copies of the priority documents have</li> <li>Certified copies of the priority documents have</li> <li>Copies of the certified copies of the priority documents have</li> <li>Copies of the certified copies of the priority documents have</li> <li>Copies of the certified copies of the priority documents have</li> <li>Certified copies of the certified copies of the priority documents have</li> <li>Tertified copies not received:</li> </ol> </li> <li>Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.</li> </ul>	been received.  been received in Application No cuments have been received in this  of this communication to file a reply	national stage applica		
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give	es reason(s) why the oath or declara		IOTICE OF	
6. CORRECTED DRAWINGS (as "replacement sheets") mus		040) -#		
(a) including changes required by the Notice of Draftspers		946) attached		
<ol> <li>1) ☐ hereto or 2) ☐ to Paper No./Mail Date</li> <li>(b) ☐ including changes required by the attached Examiner's</li> </ol>		Office action of		
Paper No./Mail Date				
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t	.84(c)) should be written on the drawi he header according to 37 CFR 1.121	ngs in the front (not the (d).	в back) of	
<ol> <li>DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT</li> </ol>			Note the	
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. Notice of Informal F	Patent Application (PT	O-152)	
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary	6. ☐ Interview Summary (PTO-413),		
3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 5/10/04	Paper No./Mail Da 08), 7. 🗌 Examiner's Amend	Paper No./Mail Date 7.		
4. Examiner's Comment Regarding Requirement for Deposit	8. X Examiner's Statem	ent of Reasons for All	owance	
of Biological Material	9.  Other			
		Parviz Hassanzao Primary Examiner Art Unit: 1763	leh	

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## **DETAILED ACTION**

## Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission, including amendment to claims, filed on 4/7/04 has been entered.

## Allowable Subject Matter

Claims 1-5 are allowed.

The following is an examiner's statement of reasons for allowance: a plasma processing apparatus comprising: a microwave transmission device for transmitting microwave into a plasma process chamber through a dielectric, wherein the *microwave propagates* perpendicularly to the surface of the dielectric; and an electrically conductive slot antenna plate placed on a side of the dielectric that is facing the process chamber, wherein the slot antenna plate including an opening having a longer side with its length equal to half the space wavelength of the microwave to effectively allow microwave to be transmitted therethrough.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Parviz Hassanzadeh whose telephone number is (571)272-1435. The examiner can normally be reached on Tuesday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory Mills can be reached on (571)272-1439. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

P. Hassanzadeh Parviz Hassanzadeh Primary Examiner Art Unit 1763

June 22, 2004